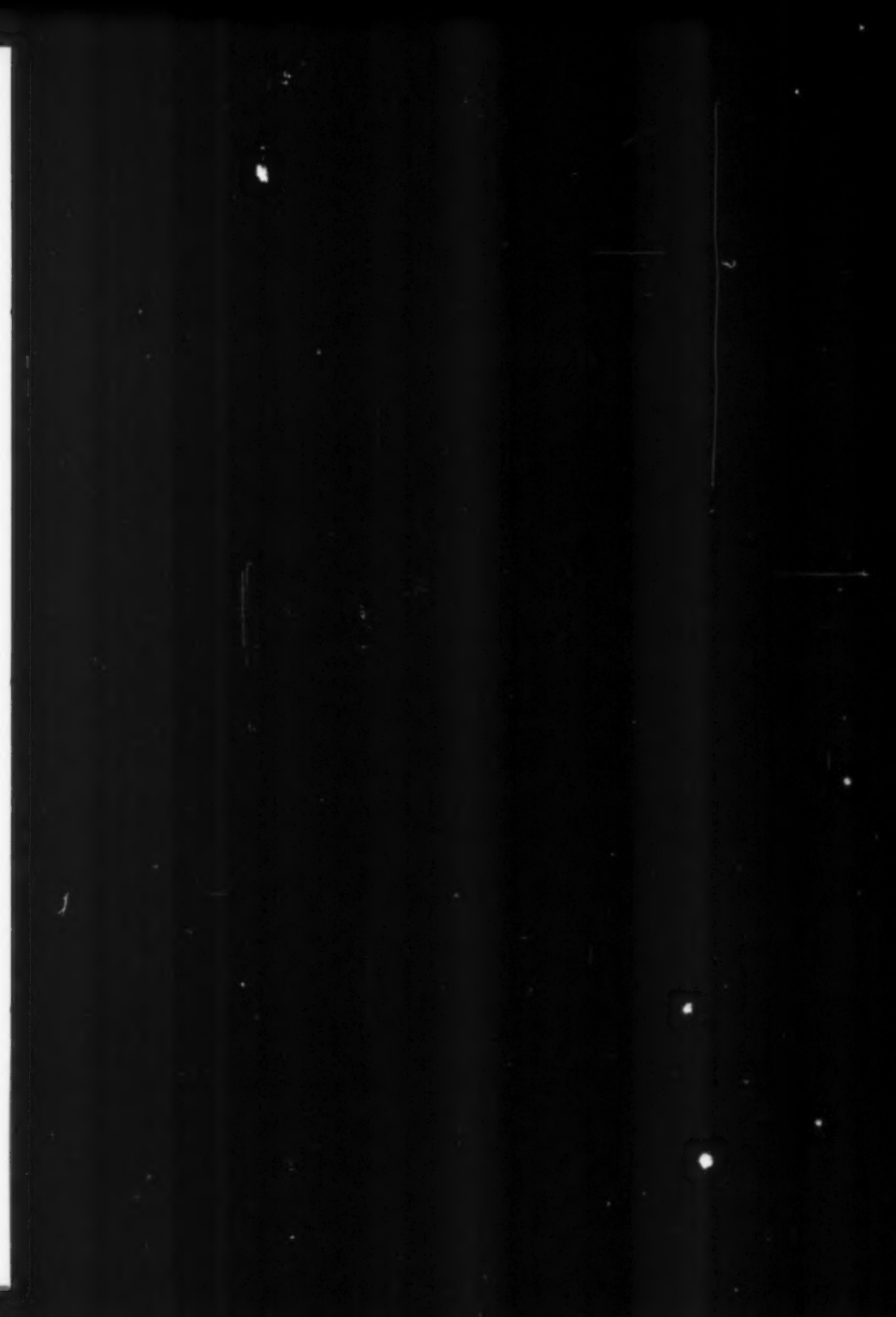
# Author Index


Abdel-Baky, S., see Al-Deen, A. N. 409
Aguilar, M. I., see Fridman, M. 57
——, see Hodder, A. N. 41
Al-Deen, A. N.
——, Cecchini, D. C., Abdel-Baky, S., Abdel Moneam, N. M. and Giese, R. W.
Preparation of ethylenediaminephosphoramidates of nucleotides and derivatization with fluorescein isothiocyanate 409
Amicucci, P., see Miraglia, N. 123
Antonelli, G., see Miraglia, N. 123
Astephen, N. E., see Warren, W. 13
Asunción, M., see Escribano, J. 255
Babashak, J. V., see Phillips, T. M. 387
Bacolod, M. D.
—— and El Rassi, Z.
High-performance metal chelate interaction chromatography of proteins with silica-bound ethylenediamine-N,N'-diacetic acid 237
Bailey, A. J.
——, Dutta, P. K., Shanley, M. S. and O'Donovan, G. A.
Characterization of temperature-sensitive cytidine triphosphate synthase mutations in bacteria by high-performance liquid chromatography 403
Bauer, H., see Grübler, G. 249
Beltrand, M.-J., see Dandeu, J.-P. 177
Bertolaso, A. M., see Montecucchi, P. C. 139
Bloemhoff, W., see Welling, G. W. 337
Bolzacchini, E., see Søndergaard, I. 115
Bourell, J., see Frenz, J. 299
Brown, E. M.
—— and Dower, H. J.
Characterization of apolipoproteins from chicken plasma 203
Brunner, J., see Jungbauer, A. 157
Buchacher, A., see Jungbauer, A. 157
Caldarini, R., see Montecucchi, P. C. 139
Cecchini, D. C., see Al-Deen, A. N. 409
Chong, P.
——, Jackson, G., Cwyk, W. and Klein, M.
Simultaneous determination of *Bordetella pertussis* toxin and filamentous haemagglutinin concentrations by hydroxyapatite high-performance liquid chromatography 227
Civaroli, P., see Søndergaard, I. 115
Cobon, G. S., see Sharp, P. J. 189
Cohen, S. A.
Analysis of amino acids by liquid chromatography after pre-column derivatization with 4-nitrophenylisothiocyanate 283
Coleman, P. L.
——, Walker, M. M., Milbrath, D. S., Stauffer, D. M., Rasmussen, J. K., Krepski, L. R. and Heilmann, S. M.
Immobilization of Protein A at high density on azlactone-functional polymeric beads and their use in affinity chromatography 345
Cwyk, W., see Chong, P. 227
Damhof, R. A., see Welling, G. W. 337
Dandeu, J.-P.
——, Rabillon, J., Beltrand, M.-J., Lux, M., Duval, R. and David, B.
Immobilized metal ion affinity chromatography for the purification of *Fel d* I, a cat major allergen, from a house-dust extract 177
David, B., see Dandeu, J.-P. 177
Davies, J. R., see Hearn, M. T. W. 23
Di Gregorio, G., see Søndergaard, I. 115
Dower, H. J., see Brown, E. M. 203
Drijfhout, J. W., see Welling, G. W. 337
Duffy, L. K.
——, Reynolds, R. A. and Harrington, J. P.
High-performance liquid chromatographic separation and partial characterization of the α- and β-chains of Alaskan sockeye salmon hemoglobin 291
Dumas, M. L., see Schröder, W. 213
Dutta, P. K., see Bailey, A. J. 403
——, Shanley, M. S. and O'Donovan, G. A.
Assay of cytosine and cytidine deaminases by means of reversed-phase high-performance liquid chromatography 395
Duval, R., see Dandeu, J.-P. 177
Echner, H. F., see Grübler, G. 249
Eksteen, R., see Katz, E. D. 433
El Rassi, Z., see Bacolod, M. 237
Escribano, J.
——, Asunción, M., Miguel, J., Lamas, L. and Méndez, E.
Identification of peptides containing aromatic amino acids, cysteine, iodotyrosine and iodothyronine by high-performance liquid chromatography with photodiode-array detection 255
Falagiani, P., see Søndergaard, I. 115
Ferri, G., see Iadarola, P. 165
Folchitto, G., see Miraglia, N. 123
Frenz, J.
——, Bourell, J. and Hancock, W. S.
High-performance displacement chromatography–mass spectrometry of tryptic peptides of recombinant human growth hormone 299

Fridman, M.
——, Aguilar, M. I. and Hearn, M. T. W.
High-performance liquid chromatography of amino acids, peptides and proteins. XCIX. Comparative study of the equilibrium refolding of bovine, porcine and human growth hormone by size-exclusion chromatography 57
Galliano, M., see Iadarola, P. 165
Geurts, T., see Welling, G. W. 337
Giese, R. W., see Al-Deen, A. N. 409
Gorkum, J. van, see Welling, G. W. 337
Gregorio, G. Di, see Søndergaard, I. 115
Grübler, G.
——, Gutjahr, F., Echner, H. F., Voelter, W. and Bauer, H.
High-performance liquid chromatographic investigations on the cleavage kinetics of side-chain-protected arginine derivatives with a sophisticated post-column reaction detector 249
Gutjahr, F., see Grübler, G. 249
Haff, L. A., see Katz, E. D. 433
Hancock, W. S., see Frenz, J. 299
Harrington, J. P., see Duffy, L. K. 291
Hearn, M. T. W.
—— and Davies, J. R.
Evaluation of factors which affect column performance with immobilized monoclonal antibodies. Model studies with a lysozyme–anti-lysozyme system 23
——, see Fridman, M. 57
——, see Hodder, A. N. 41
——, see Johnston, A. 101
Heilmann, S. M., see Coleman, P. L. 345
Hellman, U., see Renlund, S. 325
Hill, T. L.
—— and Mayhew, J. W.
Convenient purification of tritylated and detritylated oligonucleotides up to 100-mer 415
Hodder, A. N.
——, Aguilar, M. I. and Hearn, M. T. W.
High-performance liquid chromatography of amino acids, peptides and proteins. XCVIII. The influence of different displacer salts on the bandwidth properties of proteins separated by gradient elution anion-exchange chromatography 41
Hollosi, M., see Otvos, Jr., L. 265
Iadarola, P.
——, Zapponi, M. C., Minchiotti, L., Meloni, M. L., Galliano, M. and Ferri, G.
Separation of fragments from human serum albumin and its charged variants by reversed-phase and cation-exchange high-performance liquid chromatography 165
Johnston, A.
—— and Hearn, M. T. W.
High-performance liquid chromatography of amino acids, peptides and proteins. CIII. Mass transfer resistances in ion-exchange and dye-affinity chromatography of proteins 101
Jungbauer, A.
——, Tauer, C., Wenisch, E., Uhl, K., Brunner, J., Purtscher, M., Steindl, F. and Buchacher, A.
Isolation of isoproteins from monoclonal antibodies and recombinant proteins by chromatofocusing 157
Katz, E. D.
——, Haff, L. A. and Eksteen, R.
Rapid separation quantitation and purification of products of polymerase chain reaction by liquid chromatography 433
Kemp, D. H., see Sharp, P. J. 189
Kim, C.-H.
——, Kim, D.-S., Taniguchi, H. and Maruyama, Y.
Purification of a amylase–pullulanase bifunctional enzyme by high-performance size-exclusion and hydrophobic-interaction chromatography 131
Kim, D.-S., see Kim, C.-H. 131
Klein, U., see Schröder, W. 213
Klintrot, I.-M., see Renlund, S. 325
Krepski, L. R., see Coleman, P. L. 345
Kumarasamy, R.
Oligosaccharide mapping of therapeutic glycoproteins by high-pH anion-exchange high-performance liquid chromatography 149
Lamas, L., see Escribano, J. 255
Lanfranchi, A., see Miraglia, N. 123
Lee, V. M.-Y., see Otvos, Jr., L. 265
Lloyd, L. L.
—— and Warner, F. P.
Preparative high-performance liquid chromatography on a unique high-speed macroporous resin 365
Lundahl, P., see Wallstén, M. 3
——, see Yang, Q. 377
Lux, M., see Dandeu, J.-P. 177
McInerney, B. V., see Sharp, P. J. 189
Madonini, V., see Søndergaard, I. 115
Maruyama, Y., see Kim, C.-H. 131
Massa, M., see Miraglia, N. 123
Mayhew, J. W., see Hill, T. L. 415
Meloni, M. L., see Iadarola, P. 165
Méndez, E., see Escribano, J. 255
Miguel, J., see Escribano, J. 255
Milbrath, D. S., see Coleman, P. L. 345
Minchiotti, L., see Iadarola, P. 165

Miraglia, N.
——, Rindone, B., Folchitto, G., Amicucci, P., Antonelli, G., Lanfranchi, A. and Massa, M.
High-performance liquid chromatographic approach to the separation of antiviral and immunostimulant fractions in Neuramide 123
Moneam, N. M. A., see Al-Deen, A. N. 409
Montecucchi, P. C.
——, Caldarini, R., Sansó, M., Bertolaso, A. M., Rosso Di San Secondo, V. E. M., Piccolo, G. and Sirchia, G.
Purification of immunomodulatory factors in human peripheral blood leukocytes 139
Morelli, A., see Søndergaard, I. 115
Nomura, M., see Yamamoto, S. 77, 89
Nunn, M., see Renlund, S. 325
O'Donovan, G. A., see Bailey, A. J. 403
——, see Dutta, P. K. 395
Otvos, Jr., L.
——, Tangoren, I. A., Wroblewski, K., Hollosi, M. and Lee, V. M.-Y.
Reversed-phase high-performance liquid chromatographic separation of synthetic phosphopeptide isomers 265
Phillips, T. M.
—— and Babashak, J. V.
Isolation of anti-idiotypic antibodies by immunoaffinity chromatography on Affinichrom beads 387
Piccolo, G., see Montecucchi, P. C. 139
Purtscher, M., see Jungbauer, A. 157
Rabillon, J., see Dandeu, J.-P. 177
Rand, K. N., see Sharp, P. J. 189
Rasmussen, J. K., see Coleman, P. L. 345
Rassi, Z. El, see Bacolod, M. 237
Renlund, S.
——, Klintrot, I.-M., Nunn, M., Schrimsher, J. L., Wernstedt, C. and Hellman, U.
Peptide mapping of HIV polypeptides expressed in *Escherichia coli*. Quality control of different batches and identification of tryptic fragments containing residues of aromatic amino acids on cysteine 325
Reynolds, R. A., see Duffy, L. K. 291
Rindone, B., see Miraglia, N. 123
——, see Søndergaard, I. 115
Rögner, M.
Purification of membrane protein complexes isolated from a cyanobacterial thylakoid membrane by high-performance liquid chromatography 219
Rosso di San Secondo, V. E. M., see Montecucchi, P. C. 139
Sano, Y., see Yamamoto, S. 77, 89
San Secondo, V. E. M., Rosso di, see Montecucchi, P. C. 139
Sansó, M., see Montecucchi, P. C. 139
Schrimsher, J. L., see Renlund, S. 325
Schröder, W.
——, Dumas, M. L. and Klein, U.
Rapid high-performance liquid chromatographic protein quantitation of purified recombinant Factor VIII containing interfering substances 213
Shanley, M. S., see Bailey, A. J. 403
——, see Dutta, P. K. 395
Sharp, P. J.
——, McInerney, B. V., Smith, D. R. J., Turnbull, I. F., Kemp, D. H., Rand, K. N. and Cobon G. S.
Chromatography and generation of specific antisera to synthetic peptides from a protective *Boophilus microplus* antigen 189
Sirchia, G., see Montecucchi, P. C. 139
Smith, D. R. J., see Sharp, P. J. 189
Søndergaard, I.
——, Falagiani, P., Bolzacchini, E., Civaroli, P., Di Gregorio, G., Madonini, V., Morelli, A. and Rindone, B.
Ion-exchange high-performance liquid chromatographic isolation of the major allergen of parietaria pollen extract 115
Stauffer, D. M., see Coleman, P. L. 345
Steindl, F., see Jungbauer, A. 157
Swadesh, J. K.
Tryptic fingerprinting on a poly(styrene–divinylbenzene) reversed-phase column 315
Tangoren, I. A., see Otvos, Jr., L. 265
Taniguchi, H., see Kim, C.-H. 131
Tauer, C., see Jungbauer, A. 157
Turnbull, I. F., see Sharp, P. J. 189
Uhl, K., see Jungbauer, A. 157
Van Gorkum, J., see Welling, G. W. 337
Voelter, W., see Grübler, G. 249
Walker, M. M., see Coleman, P. L. 345
Wallstén, M.
—— and Lundahl, P.
Binding of sodium dodecyl sulphate to an integral membrane protein and to a water-soluble enzyme. Determination by molecular-sieve chromatography with flow scintillation detection 3
Warner, F. P., see Lloyd, L. L. 365
Warren, W.
——, Astephen, N. E. and Wheat, T. E.
Systematic optimization of protein separations on high-performance ion-exchange chromatographic media 13

Welling, G. W.
——, Geurts, T., Gorkum, J. van, Damhof, R. A., Drijfhout, J. W., Bloemhoff, W. and Welling-Wester, S.
Synthetic antibody fragment as ligand in immunoaffinity chromatography 337
Welling-Wester, S., see Welling, G. W. 337
Wenisch, E., see Jungbauer, A. 157
Wernstedt, C., see Renlund, S. 325
Wheat, T. E., see Warren, W. 13
——, see Young, P. M. 273
Wroblewski, K., see Otvos, Jr., L. 265
Yamamoto, S.
——, Nomura, M. and Sano, Y.
Predicting the performance of gel-filtration chromatography of proteins 77
——, Nomura, M. and Sano, Y.
Preparative chromatography of proteins. Design calculation procedure for gradient and stepwise elution 89
Yang, Q.
—— and Lundahl, P.
Binding of lysozyme on the surface of entrapped phosphatidylserine–phosphatidylcholine vesicles and an example of high-performance lipid vesicle surface chromatography 377
Young, P. M.
—— and Wheat, T. E.
Optimization of high-performance liquid chromatographic peptide separations with alternative mobile and stationary phases 273
Zapponi, M. C., see Iadarola, P. 165